



**Engineering, Planning,  
Environmental Sciences and  
Management Services**

Corporate Office:  
605 Third Street  
Encinitas, California 92024

SFUND RECORDS CTR  
84671  
760.942.5147  
Fax 760.632.0164

24 February 1999

889-22

E. G. Solomon  
California Regional Water Quality Control Board  
Los Angeles Region  
101 Centre Plaza Drive  
Monterey Park, CA 91754-2156

RE: Transmittal Groundwater Sampling Results, former Huffey Facility, 1120 W. Foothill Blvd., Azusa, California.

Dear Mr. Solomon:

Dudek & Associates, Inc. to sampled the monitor well at the former Huffey facility on 21 January 1999. Groundwater samples were analyzed for NDMA, perchlorate, 1,4-dioxane and MTBE per your request. The perchlorate, 1,4-dioxane and MTBE samples were sent to Weck Laboratories (a California certified lab). The NDMA sample was sent to DataChem Laboratories in Salt Lake City. Laboratory reports are attached and the results summarized below. Some samples were collected without purging using the Kabis depth discrete sampling device, other samples were collected with a bailer after purging three casing volumes (approximately 75 gallons) of water from the well.


Groundwater Sampling Results - 21 January 1999

Sample ID	MTBE (ug/l)	Perchlorate (ug/l)	1,4-Dioxane (ug/l)	NDMA (ug/l)
HU-MW1/Bail	<2	7.6	<2	<0.033
HU-MW1/Kabis	<2	<4	not analyzed	<0.033

The monitor well on the former Huffey facility will be sampled again on Monday 1 March 1999. We will forward the results to you after we receive them in approximately three weeks.

If you have any questions, please contact me at (760) 942-5147.

Sincerely,  
Dudek & Associates, Inc.

  
Peter T. Quinlan  
Principal

cc: N. Michaud, Huffey  
T. Avchen, Christiansen Miller



# Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, February 04, 1999

Received Date: Thursday, January 21, 1999

Log By: tn

Log Time: 12:50

Client: Dudek & Associates  
605 E. Third Street  
Encinitas, CA 92024

Phone: (800) 450-1818

FAX: (760) 632-0164

Attn.: Peter Quinlan

Project Name: Huff

Project #:

Remark:

Turnaround Time: Normal

## CERTIFICATE OF ANALYSIS

Lab#: 990441-001

Sample ID: HU-MW1/Bail

Matrix: Ground Water

Sampled By: Steve Dickey

Date: 1/21/99

Time: 11:20

Parameter	Result	Units	Dilution Factor	PQL	Method	Analyzed
Methyl tert-Butyl Ether	ND	ug/l	1	2	EPA 8260A	1/23/99 rt/pt
Perchlorate	7.6	ug/l	1	4.0	EPA 300M	1/22/99 dc
<i>Prep. Method: EPA 3510</i>						
1,4-Dioxane	ND	ug/l	1	2.0	EPA 8270M	1/29/99 pt

ND = Not Detected.

PQL = Practical Quantitation Limit.

TR = Trace detection, detected but below the PQL.

J = Estimated value, detected but below the PQL.

NA = Not Applicable.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

  
Authorized Signature



# Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, February 04, 1999  
Received Date: Thursday, January 21, 1999  
Log By: tn  
Log Time: 12:58

Client: Dudek & Associates  
605 E. Third Street  
Encinitas, CA 92024

Phone: (800) 450-1818  
FAX: (760) 632-0164

Attn.: Peter Quinlan

Project Name: Huffy  
Remark:

Project #:  
Turnaround Time: Normal

## CERTIFICATE OF ANALYSIS

Lab#: 990441-002      Sample ID: HU-MW1/Kabis      Matrix: Ground Water  
Sampled By: Steve Dickey      Date: 1/21/99      Time: 9:30

Parameter	Result	Units	Dilution Factor	PQL	Method	Analyzed
Methyl tert-Butyl Ether	ND	ug/l	1	2	EPA 8260A	1/23/99 rt/pt
Perchlorate	ND	ug/l	1	4.0	EPA 300M	1/26/99 dc

ND = Not Detected.

PQL = Practical Quantitation Limit.

TR = Trace detection, detected but below the PQL.

J = Estimated value, detected but below the PQL.

NA = Not Applicable.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

  
Authorized Signature

## CHAIN OF CUSTODY RECORD

990441

Page 1 Of 1[illegible]

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14 ploxare 172.155m and

**DISTRIBUTION:**

**WHITE & CANARY - For Laboratory**

**PINK - For Client**

✓ ... Perhitungan ...



## Case Narrative

**Method:** UM34

**Client:** Dudek and Associates

**Analysis:** NDMA by GC/MS

**Lot #:** NA

**Matrix:** WATER

**DCL Set ID:** 99E-0033-01

**General Set Information:** There are two field samples in this batch.

**Method Summary:** This is a GC/MS method for determination of n-nitrosodimethylamine in water according to the USAEC 1990 QA Guidelines. A 1-liter portion of the sample is spiked with a surrogate, extracted in a continuous liquid-liquid extractor and then concentrated to a final volume of 1.0 ml. The resulting extract is analyzed using a Hewlett Packard model 5972 GC/MS system with an electron impact ionization source and a quadrapole mass-filter detector. Surrogate NDMA-d6 is used to monitor extraction efficiency, and all NDMA results are corrected for surrogate recovery. Any reported values for NDMA in field samples are confirmed.

**Sample Preparation:** All samples were prepared in accordance with method UM34. All samples had a final volume of 1.0 milliliter.

**Holding Times:** The holding times were met for preparation and analysis.

**Dilution(s):** None.

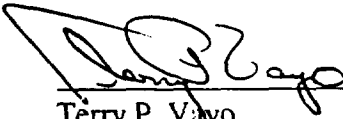
**Method and Sample QC data:** The blank was clean. Surrogates were within acceptable ranges for the blank and all samples. The surrogate was spiked into each sample at a level of 1.0 ug/L.

**MS/MSD Analysis:** Matrix spiking was not performed because of insufficient sample volume. A LCS (laboratory control sample) and LCS duplicate were analyzed, and recoveries of NDMA in the LCS and LCD were 93. and 94. percent respectively.

**Instrument QC:** The instrument is tuned with 5 ng DFTPP at the beginning of every twelve hour period of analysis. A six point initial calibration curve is analyzed prior to sample analysis. The concentrations of the standards are: 5, 1, 0.5, 0.1, 0.04 and 0.02 ug/mL. A continuing calibration standard at a concentration of 1.0 ug/mL is analyzed at the beginning of sample analysis and at the end of sample analysis for each twelve hour period. The analyte responses for the target analytes from the CCS are within 25% of the analyte responses from the 1.0 ug/mL initial calibration standard.

**NC/CAR:** No NC/CARs were required for this lot.

**Miscellaneous Comments:** None.

 2/5/99  
Terry P. Vayo



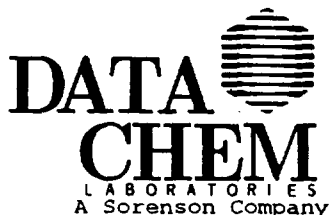
## Datapackage Table of Contents

Information pertaining to this datapackage is divided into the four categories listed below. A Case Narrative immediately precedes this Table of Contents and contains pertinent information about this datapackage.

Analytical Results .....	Yellow
Sample Tracking Documentation .....	Pink
Analytical Documentation .....	Blue
Raw Data .....	Green



# Analytical Results



## ANALYTICAL REPORT

Form ARF-AL

Page 1 of 1

Part 1 of 1

02059912333222

Date \_\_\_\_\_

Laboratory Group Name 99E-0033-01Account No. 08001

Dudek and Associates  
Attention: Stephen Dickey  
605 Third Street  
Encinitas, CA 92024

FAX \_\_\_\_\_  
Telephone (909) 683-1401

## Sampling Collection and Shipment

Sampling Site HUFFY/PRICE Date of Collection January 21, 1999Date Samples Received at Laboratory January 22, 1999

## Analysis

Method of Analysis UM34Date(s) of Analysis February 04, 1999

## Analytical Results

Field Sample Number	Laboratory Number	Sample Type	N-nitroso-dimethylamine UG/L	NDMA-d6 UG/L						
BL-156524-1	BL-156524-1	WATER	ND	1.029						
QC-156524-1	QC-156524-1	WATER	0.93	1.061						
QD-156524-1	QD-156524-1	WATER	0.94	1.031						
HU-MW1/KABIS	99E00390	WATER	ND	1.071						
HU-MW1/BAIL	99E00391	WATER	ND	0.924						
Limit of Detection			0.020							
Limit of Quantitation			0.033	SURR						

† See comment on last page.  
ND Parameter not detected above LOD.  
NR Parameter not requested.

\*\* See comment on last page.  
( ) Parameter between LOD and LOQ.

*[Signature]* 2/5/99  
Analyst Terry P. Vayo

*[Signature]* 2-5-99  
Reviewer: Reed A. Hendricks

*[Signature]* 2-5-99  
Laboratory Supervisor: Richard W. Wade

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547  
Phone (801) 266-7700 Web Page: [www.datachem.com](http://www.datachem.com)  
FAX (801) 268-9992 E-mail: [lab@datachem.com](mailto:lab@datachem.com)





# Sample Tracking Documentation





PROJECT PROTOCOL WORKSHEET  
FAX -- No  
Final by: Fed-Ex

PPN: P990S001

Project Name: Huff / Price  
Contract/PO#:   
Account: 08001  
Site ID:   
Set Info:

Client Contact:   
Name- Stephen Dickey  
Company- Dudek and Associates  
Street- 605 Third Street  
City/State- Encinitas, CA 92024  
Telephone- (909) 683-1401  
Fax-

Project Manager: Kevin Griffiths ex: 302  
e-Mail: Aurum  
Sample Stream: E  
Disposal Code: C-D-30R-N  
MW Screen:

Invoice Contact: Same

Bill for field samples only: YES

MS/MSD/MD: DCL  
Solids: NONE  
Reporting Basis: AS RECEIVED  
Batch with other clients samples: Yes  
Report TICs: N/A  
Detection Limits: DCL  
QA/QC Requirements: DCL

Type of report: RLIMS 63

Report by: Fraction  
Case Narrative: YES  
Raw Data: NO  
No. of copies: 1

Prep, Analysis  
and Reporting: D3 Deliverable.

Sample Receipt Instructions:

Parameter	Matrix	Units	Sec. Code	Inst. Code	DCL SOP or Method	Analyte List	Hold Code	Verbal TAT	Mail TAT	Analyte Group	Price Code
NDMA	Water	Ug/L	EO	GC/MS SO	UM-34	DCL	7C-40P	-	21C	3200w1ndma	275

99E-0033

January 21, 1999

To: Datachem Laboratories  
960 West Levoy Drive  
Murray, UT 84123-2547  
Attn: Kevin

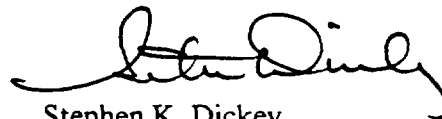
From: Steve Dickey  
Dudek & Associates  
605 Third Street  
Encinitas, CA 92024

RE: Groundwater Samples

With this note are two one liter groundwater samples, labeled HU-MW1/Kabis and HU-MW1/Bail. The analysis required is for NDMA, with a detection limit of 0.033 ug/l.

We will report this data to the Los Angeles Regional Water Quality Control Board. If you have any questions, please contact Peter Quinlan at (800) 450-1818, or myself at (909) 683-1401. We know the project and site as "Huffy/Price".

Sincerely Yours,



Stephen K. Dickey  
Engineering Geologist

HU-MW1/Kabis - 99E00390

HU-MW1/Bail - 99E00391

DATA CHEM LABORATORIES CLIENT-RELATED INFORMATION REPORT (CRIR)

COOLER OR CONTAINER INFORMATION CHECKLIST (Fill In or Circle)

Client Name: <u>Dudek + Associates</u>		Project/Task/Site: _____	
Date/Time of Receipt: <u>1/22/99 0930</u>		Number of Coolers Received: <u>7</u>	
Condition of Coolers: <u>Acceptable/Unacceptable</u>	Temperature Control: <u>Present/Not Included</u>		
Custody Seals: <u>Present/Absent/NA</u>	Location Temp Taken: <u>Control/Between Samples</u>		
Intact/Broken/NA	Are all temperatures within project specific guidelines? <u>Yes/No/NA</u>		
Tamper Evident: <u>Yes/No/NA</u>	Are all applicable pHs within specific guidelines? <u>Yes/No/NA</u>		
Ice Present: <u>Yes/No/NA</u>			
Frozen/Melted/NA			

PH Check:	Metals	Yes/No/NA	Total Phenolics	Yes/No/NA	NO3/NO2	Yes/No/NA
	Cyanide	Yes/No/NA	TPH - 418.1	Yes/No/NA	Oil & Grease	Yes/No/NA
	Sulfide	Yes/No/NA	COD	Yes/No/NA	Total Phosphorous	Yes/No/NA
	Ammonia	Yes/No/NA	TKN	Yes/No/NA	Gross A.B. Gamma Spec	Yes/No/NA

Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.
1	C99 <u>0064</u>	<u>12</u> °C	4	C99	°C	7	C99	°C
2	C99	°C	5	C99	°C	8	C99	°C
3	C99	°C	6	C99	°C	9	C99	°C

Taken By: [Signature] Frank J. Smith 1/22/99  
Signature Printed Name Date

CLIENT-RELATED INFORMATION

<input type="checkbox"/> Missing Cooler	<input type="checkbox"/> Missing Samples/Bottles	<input type="checkbox"/> Incorrect Preservation	<input type="checkbox"/> Chain of Custody Problems
<input type="checkbox"/> Cooler Conditions	<input type="checkbox"/> Broken/Leaking Samples	<input type="checkbox"/> pH Criteria Not Met	<input type="checkbox"/> Other:
<input type="checkbox"/> Missing Paperwork	<input type="checkbox"/> Incorrect Bottle Type	<input type="checkbox"/> Head Space in Bottles	EPA Custody Seal:
<input type="checkbox"/> Missing/Incorrect Bottle labels	<input checked="" type="checkbox"/> Cooler Temperatures Out of range	<input type="checkbox"/> Insufficient Sample Volume	

BRIEFLY DESCRIBE THE PROBLEM AND THE ACTION TAKEN:  
Cooler arrived at 12°C

Faxed to Client? YES ☐ NO ☐ (if yes, attach Fax Cover Sheet)

Response Required Within 24 Hours

PROJECT MANAGEMENT

PROJECT MANAGER COMMENTS:  
As per client (Steve Drakey) proceed with analysis

DCL Project Manager: Kevin G. Griffiths Returned to Sample Receipt by: Kevin Griffiths Date: 1-25-99  
Printed Name Signature